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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/032,886	12/26/2001	Masud Beroz	TESSERA 3.0-143 DIV DIV	7965
530	7590	07/02/2004	EXAMINER	
LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK 600 SOUTH AVENUE WEST WESTFIELD, NJ 07090			TUGBANG, ANTHONY D	
			ART UNIT	PAPER NUMBER
			3729	

DATE MAILED: 07/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/032,886	Applicant(s) BEROZ ET AL. <i>ml</i>	
	Examiner A. Dexter Tugbang	Art Unit 3729	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 April 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-43 is/are pending in the application.
- 4a) Of the above claim(s) 5,7-13 and 20-43 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4,6 and 14-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>2/4/02 & 12/26/01</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Election/Restrictions

1. Applicant's election with traverse of the invention of Group I, Species B, Claims 1-4, 6, 14-19, in the reply filed on 4/6/04 is acknowledged. The traversal is on the ground(s) that Species B, Figures 2A-2B is the same structure of Species A, Figures 1A-1B. The examiner agrees with the applicant(s) that Species A and B are of the same structure and Claims 1-4, 6 and 14-19 are readable on the elected Species of Figures 1A-2B as these claims have been examined on their merits.

The requirement is still deemed proper and is therefore made FINAL.

2. Claims 5, 7-13 and 20-43 have been withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected invention, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in the reply filed on 4/6/04.

Specification

3. The disclosure is objected to because of the following informalities: in the specification on page 1, line 5, after the recitation of "16, 2000", the phrase of --and issued as U.S. Patent 6,338,982--, should be inserted to indicated the current status of parent application 09/173,797.

Appropriate correction is required.

Claim Objections

4. Claims 1, 14 and 16 are objected to because of the following informalities. The language in each is awkwardly worded the following suggestions are recommended by the examiner.

In Claim 1, the phrase of “an electrical” (line 20) should be recited as --the electrical--.

In Claim 14, the phrase of “the entirety” (line 12) should be recited as --the entirety--.

In Claim 16, the term “surfaces” (line 14) should be recited as --surface--.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6. Claims 1, 3, 4, 6, 14-16 and 19 are rejected under 35 U.S.C. 102(b) as being anticipated by Bilback 3,828,215.

Bilback discloses a framed sheet comprising: a frame (shown in Figs. 1 and 2) having an rectangular shaped aperture and a structure; a flexible sheet 16 having oppositely-facing exterior surfaces and a first metallic layer (either one of conductors 63, 64 or 46), a main region (bottom portion of sheet 16 in Fig. 2) extending across the aperture; the frame including more than one contact opening or holes (pierced regions discussed at col. 4, lines 57-62) extending through the structure and surrounded by a contact region, the sheet and the structure including an inner bond region (mating surfaces of 10, 16, 17) that mechanically isolates the contact region

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from the main region of the sheet, which meets all of the structural limitations of the claimed framed sheet.

The “whereby...” clause (last 3 lines of Claim 1) is fully satisfied by Bilsback in that Bilsback shows at least one electrical contact extending from components 34, 37 in which the structure of the contact region of the sheet is capable of not causing deformation of the main region of the sheet.

Regarding Claim(s) 15 and 16 and the limitations directed to the sheet being sealed to the mounting surface of the frame, see col. 3, lines 28+, in which Bilsback discusses the use of glass plates 14, 15 to seal the sheet to the mounting surface. It is these glass plates that expose an exterior surface of the sheet through the aperture.

Further regarding Claim(s) 16, the claimed “fillet” is broadly read as sealing material 47 (shown in Fig. 1).

Regarding Claim(s) 19, the structure includes an inner edge (vertical edge surfaces in Fig. 2) bounding the aperture and an inner edge surface (horizontal edge surfaces in Fig. 2) intersection a mounting surface (front surface of frame) with the inner edge surface sloping outwardly in a perpendicular manner away from the inner edge.

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claims 2, 17 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bilsback in view of Boudreau 5,528,826.

Bilsback discloses the structure of the claimed invention as relied upon above, further including a “radius”, which is read as the small holes (not labeled) at the corners of the rectangular shaped aperture in sheet 16 (shown in Fig. 2). This “radius” joins the rear surface (back surface of the frame) and the inner edge surface (horizontal edge surfaces of aperture).

Bilsback does not teach that the structure of the frame is partially formed from a dielectric material, as required by Claim 2, or that the rear surface (back surface of the frame) is less than 10 mm from the mounting surface (front surface of the frame in Fig. 2), as required by Claim 17.

Bondreau teaches that structures of frames can be made from a dielectric material with dimensions that include less than 10 mm between the rear surface and the mounting surface of the frame, i.e. thickness (see col. 2, lines 35-45).

It is noted that the frames of both Bilsback and Bondreau each share that the frames formed are of a printed wiring board type with insulating or dielectric materials for electrical circuits. Bondreau teaches that the above material and dimensions at least allow the associated advantage of forming very thin frames or printed wiring board types with circuit patterns (see col. 1, lines 7+).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the structure and material of Bilsback by including the dielectric material and dimensions of Bondreau, to positively form art recognized equivalent frames with very thin circuit patterns.

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Conclusion


9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to A. Dexter Tugbang whose telephone number is 703-308-7599.

The examiner can normally be reached on Monday - Friday 7:00 am - 3:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on 703-308-1789. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


A. Dexter Tugbang
Primary Examiner
Art Unit 3729

June 24, 2004